

IN THE SPECIFICATION:

Please amend the specification as follows:

Page 2, line 17 to page 3, line, delete the paragraph in its entirety and insert therefore the following description:

-- According to one aspect of the present invention, there is provided an electrical apparatus operation state control system for controlling an operation state of an electrical apparatus operated by an operation unit which is operated by a user for switching an operation state, the system comprising a communication control unit disposed between the electrical apparatus and an operating power supply for the electrical apparatus, and an operation state switching unit disposed at the electrical apparatus side for switching an operation state of the electrical apparatus independent of operation in the operation unit, wherein the electrical apparatus is arranged so that an operation state thereof in power activation is changeable into a plurality of stages and the operation state switching unit is rendered operable via the communication control unit when a remote operated terminal executing an over-the-horizon communication with the communication control unit. --

Page 3, lines 2-13, please amend the paragraph as follows:

More specifically, the communication control [[means]]unit is disposed between the existing electrical apparatus and the operating power supply of the electrical apparatus, and the operation state changing [[means]]unit is disposed at the electrical apparatus side. By this minimum change, the user operates the remote operated terminal to control the operation state changing [[means]]unit, thereby changing the operation state of the electrical apparatus. Accordingly, the centralized control can exceedingly easily be executed by over-the-horizon remote operation. Furthermore, since the operation state is changed by the operation [[means]]unit previously provided in the electrical apparatus, the convenience can be prevented from being lowered.

Page 3, lines 14-21, please amend the paragraph as follows:

In the foregoing description, "the operation [[means]]unit " of the electrical apparatus is previously provided therein and includes one remote operating the electrical apparatus within a range in which the electrical apparatus is visible, for example, such as with use of an infrared remote controller. Furthermore, "the electrical apparatus side" where the operation state switching [[means]]unit is disposed is in the relative positional relation with the remote operation terminal.

Page 5, lines 14-23, please amend the paragraph as follows:

A first embodiment will be described with reference to FIGS. 1 to 6. The present invention is applied to a lighting apparatus serving as an electrical apparatus in the embodiment. FIG. 1 shows an arrangement at the electrical apparatus side of the operation state control system. Lighting apparatuses 1A and 1B are normally turned on and off by wall switches 4 disposed between a power supply plug 3 connected to a commercial AC power supply and the lighting apparatuses as shown in FIG. 6. However, the wall switches (operation [[means]]unit) 4A and 4B have been replaced by control system switch units 5A and 5B.

Page 5, line 14 to page 6, line 9, please amend the paragraph as follows:

Each switch unit includes a wall switch 6M (operation [[means]]unit) composed of two fixed contacts 6Ma and 6Mb and one movable contact 6Mc, a remote control switch (operation state switching [[means]]unit) 6R composed of two fixed contacts 6Ra and 6Rb and one movable contact 6Rc. The fixed contacts 6Ma and 6Ra are connected to each other, and the fixed contacts 6Mb and 6Rb are connected to each other. The fixed contacts 6Ma and 6Ra are connected to a power supply line 7a of the power supply plug 3 and the fixed contacts 6Mb and 6Rb are connected to a power supply line 7b of the power supply plug 3. The movable contacts 6Mc and 6Rc are connected to power supply lines 8a and 8b of the

lighting apparatus 1 respectively, and an light emitting diode (LED) 9 (power-up state informing [[means]]unit) is connected between the movable contacts 6Mc and 6Rc.

Page 6, lines 10-28, please amend the paragraph as follows:

Each of the switch units 5A and 5B includes a power supply circuit 10, a control section 11 and a radio transmission and receiving section 12. The power supply circuit 10, control section 11 and wireless transmission and receiving section 12 constitute a communication control section (communication control [[means]]unit) 13. The power supply circuit 10 includes a rectifier circuit, a DC/DC converter and the like. The power supply circuit 10 rectifies, smoothens and steps down a commercial AC power supplied via the power supply plug 3 thereto, supplying an operating power to the control section 11 and wireless transmission and receiving section 12. The radio transmission and receiving section 12 carries out radio communication (Bluetooth, wireless LAN or other small power wireless system) with a terminal apparatus (remote operation terminal) 14 (see FIG. 3) via an antenna 12a. The wireless transmission and receiving section 12 is capable of executing even over-the-horizon wireless transmission, and communication data is transmitted between the wireless transmission and receiving section 12 and the control section 12.

Page 7, lines 1-11, please amend the paragraph as follows:

The control section 11 is comprised of a microcomputer and receives a command via the wireless transmission. When receiving the command via the wireless transmission and receiving section 12 from the terminal apparatus 14, the control section 11 is adapted to switch the movable contact 6Rc of the remote control switch 6R according to the command. Furthermore, current monitors (detecting [[means]]unit) 15 are provided at the power supply line 7a of the power supply plug 3) for the respective lighting apparatuses 1. Each current monitor 15 is comprised of a current transformer. An output signal of the current monitor 15 is supplied to the control section 11.

Page 7, lines 11-26, please amend the paragraph as follows:

FIG. 2 illustrates the switch unit 5 mounted on a wall. The switch unit 5 has substantially the same appearance as an ordinary wall switch but differs from the ordinary wall switch in that the antenna 12a of the wireless transmission and receiving section 12 is exposed outward and that two LED'S 9A and 9B are provided. Each of operators 16A and 16B is of the seesaw type. A user manually operates each operator to switch the movable contact 6Mc of each of wall switches 6AM and 6BM. More specifically, even when the wall switch 4 is replaced by the switch unit 5, the user manually operates each operator 16 to turn on or off the lighting apparatus 1. The switch unit 5 is thus the same as the wall switch 4 in this respect. "A" and "B" are eliminated from reference symbols for the switch section 6 in order that presentation of reference symbols ~~[[is]]~~maybe prevented from being troublesome.

Page 11, lines 18-27, please amend the paragraph as follows:

FIG. 7 shows a second embodiment of the invention. Identical or similar parts in the second embodiment are labeled by the same reference symbols as those in the first embodiment and description of these parts is eliminated. Only the difference will be described as follows. In the second embodiment, communication is carried out via a telephone line network (public communication line) 26 between the terminal device (remote operation terminal) 23 side and the communication control section (communication control ~~[[means]]~~unit) 25 of the switch unit 24 of the lighting apparatus 1 to be controlled.

Page 12, lines 20-26, please amend the paragraph as follows:

FIGS. 8 to 11 illustrate a third embodiment of the invention. In the first embodiment, the wall switch 4 is replaced by the switch unit 5 so that the operation state control system is constituted. In the third embodiment, a communication control section (communication control ~~[[means]]~~unit) 30 (see FIG. 9) is externally added to the lighting apparatus (electrical apparatus) 29 so that the system is constructed.

Page 13, lines 9-20, please amend the paragraph as follows:

FIG. 9 shows an electrical arrangement of the remote operation unit and its periphery. One power supply line 38a is connected between the plug 36 and the plug socket 37. LED 39 in which two elements are reverse connected across the power supply line 38a. A change-over switch (operation state switching [[means]]unit) 40 and a current monitor (detecting [[means]]unit) 41 are connected to the other power supply line 38b. The change-over switch 40 has a fixed contact 40a connected to the plug socket 37 side and a movable contact 40c connected to the plug 36 side. The fixed contact 40a is open. LED (power-up state informing [[means]]unit) 39 is exposed outside the casing 35 as shown in FIG. 8.

Page 14, lines 2-10, please amend the paragraph as follows:

The lighting apparatus 29 is provided with a string (operation [[means]]unit) 42 with which the user directly operates the lighting apparatus. A string drive section (automatic operation [[means]]unit and operation state changing [[means]]unit) 43 is provided for the string 42. The control section 11A delivers a control signal to the string drive section 43. Every time the user pulls the string 42, the operation state of the lighting apparatus 29 is changed circularly from OFF (lights-out), F-ON (high lighting level), H-ON (low lighting level), MINIATURE BULB ON to OFF.

Page 16, line 26 to page 17, line 6, please amend the paragraph as follows:

FIGS. 12 to 14 illustrate a fourth embodiment of the invention. Only the difference of the fourth embodiment from the third embodiment will be described. Apart from the direct operation by the string 42, for example, the lighting apparatus (electrical apparatus) employs a remote controller (operation [[means]]unit) 54 utilizing infrared rays so as to be remote operable within sight. More specifically, the lighting apparatus 53 is incorporated with a control unit receiving an infrared signal from the remote controller 54 to change over the operation state.

Page 17, lines 14-25, please amend the paragraph as follows:

In the fourth embodiment, a remote controller operation section (automatic operation [[means]]unit and operation state switching [[means]]unit) 55 is disposed instead

of the drive section 43. More specifically, as shown in FIG. 12, when not operated by the user, the remote controller 54 is accommodated in a holder 56 mounted on a wall of the house or the like. The remote controller 55 is disposed in the holder 56. In FIG. 13 showing the electrical arrangement, the remote operation unit 34 has the same arrangement as that in the third embodiment, and the control section 11A is arranged to supply a drive signal to the remote controller operation section 56 instead of the string drive section 43.

Page 19, line 29 to page 20, line 7, please amend the paragraph as follows:

In FIG. 16 showing the electrical arrangement, the case 6 basically has the same inner electrical arrangement as that in the first embodiment. More specifically, each power supply plug socket 64 includes a manually operated switch (operation [[means]]unit) 67M corresponding to the seesaw switch 66, a remote control switch section (operation state changing [[means]]unit) 67R, LED (power supply state informing means) 68 and a current monitor (detecting [[means]]unit) 69.

Page 20, lines 8-17, please amend the paragraph as follows:

Furthermore, in the casing 63 are enclosed a communication control section (communication control [[means]]unit) 73 including a power supply circuit 70, control section 71 and wireless transmission and receiving section (communication control [[means]]unit) 72. LED 68 and an antenna 72a of the wireless transmission and receiving section [[means]]unit 72 are exposed outside the case 63. The control section 71 controls power supply to each power supply plug socket 64 according to a command transmitted from the terminal device 14 independent of the operation by the seesaw switch 66.

Page 26, line 26 to page 27, line 2, please amend the paragraph as follows:

The electrical apparatus is not limited to the lighting apparatus but maybe an air conditioner, electric fan, television, video recorder, microwave oven or the like. The operation state changing [[means]]unit or automatic operation [[means]]unit is disposed according to an operation manner.

Page 29, lines 1-4, please amend the paragraph as follows:

In the eight embodiment, furthermore, power consumption of the electrical apparatus maybe detected or determined on the basis of a factor other than current according to the types of electrical apparatus or detecting [[means]]unit.